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INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Artcle 36 and Rule 70)

Applicant's or agent's file reference 3FPO-06-03	FOR FURTHER ACTION	SeeNotificationofTrans Examination Report (Fo	mittalofInternationalPreliminary orm PCT/IPEA/416)
International application No. PCT/KR2003/002081	International filing date(day/mo		date (day/month/year) TOBER 2002 (09.10.2002)
International Patent Classification (IPC) IPC7 C12N 15/40 Applicant			
CID Co., Ltd et al			
and is transmitted to the applican 2. This REPORT consists of a total X This report is also accomp amended and are the basis 70.16 and Section 607 of the These annexes consist of a total 3. This report contains indications report in Priority III Non-establishment IV Lack of unity of involved in the Certain documents VII Certain defects in the VIII Certain observation	t according to Article 36. of3sheets, inclusion anied by ANNEXES, i.e., sheets for this report and/or sheets come Administrative Instructions until a sheets. relating to the following items: of opinion with regard to novelty rention at under Article 35(2) with regard actions supporting such statementics.	ding this cover sheet. of the description, claims taining rectifications made der the PCT).	,
Date of submission of the demand	Date	of completion of this repo	rt
09 MARCH 2004 (0	09.03.2004)	26 JANUARY 2005 ((26.01.2005)
Name and mailing address of the IPEA/ Korean Intellectual Proper 920 Dunsan-dong, Seo-gu, Republic of Korea	ty Office	orized officer CHANG, Je Hwan	
Facsimile No. 82-42-472-7140	Tele	phone No. 82-42-481-815	58



International aplication No. PCT/KR2003/002081

I.	Basis	of the report	
1.	With	regard to the elements of the international application:*	
•		the international application as originally filed	
	X	the description:	
		pages 1-118 125	, as originally filed
		pages, filed with the letter of	, filed with the demand
	X	the claims:	
		pages, as amended (together with an	_ , as originally filed
		pages, as amended (together with an pages	y statment) under Article 19, filed with the demand
		pages, filed with the letter of	, med with the demand
	X	the drawings:	
		pages <u>1/16-16/16</u>	
		pages, filed with the letter of	, filed with the demand
	X	the sequence listing part of the description:	
		mana 1 101	, as originally filed
	:	pages, filed with the letter of	, filed with the demand
	•	pages	
2.	With	regard to the language, all the elements marked above were available or furnished to this Autl	nority in the language in which
٠.	the i	nternational application was filed, unless otherwise indicated under this item. se elements were available or furnished to this Authority in the following language	which is
	П	the language of a translation furnished for the purposes of international search (under Rule 23	
	一	the language of publication of the international application (under Rule 23)).1(0 <i>))</i> .
		the language of the translation furnished for the purposes of international preliminary exam	instign(under Rules 55.2 and/
		or 55.3).	madon (ander Ruies 33.2 and
3.	Wit pre	h regard to any nucleotide and/or amino acid sequence disclosed in the international appi iminary examination was carried out on the basis of the sequence listing:	lication, the international
	X	contained in the international application in written form.	
	X	filed together with the international application in computer readable form.	
		furnished subsequently to this Authority in written form.	
		furnished subsequently to this Authority in computer readable form	
		The statement that the subsequently furnished written sequence listing does not go be international applicationas as filed has been furinshed.	eyond the disc losure in the
		The statement that the information recorded in computer readable form is identical to the been furnished.	written sequence listing has
4.	X	The amendments have resulted in the cancellation of:	
		the description, pages The plaints No. 2	
		X the claims, Nos. 2	
		the drawings, sheets	
5 .		This report has been established as if (some of) the amendments had not been made, sing go beyond the disclosure as filed, as indicated in the Supplemental Box(Rule 70.2(c)).**	
*	Repla in this and 7	cement sheets which have been furnished to the receiving Office in response to an invitation w s opinion as "originally filed." and are not annexed to this report since they do not contain 0.17).	nder Article 14 are referred to amendments (Rules 70.16
**	Any r	eplacement sheet containing such amendments must be referred to under item I and annexed t	to this report.

INTERNATIONAL PRELIMINARY EXAMINATION

International aplication No.

PCT/KR2003/002081

V.	Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability;
	citations and explanations supporting such statement

1. Statement			·
Novelty (N)	Claims	1, 3-28	YES
	Claims	none	NO
Inventive step (IS)	Claims	3, 12, 15-17	YES
	Claims	1, 4-11, 13, 14, 18-28	NO
Industrial applicability (IA)	Claims	1, 3-28	YES
	Claims	none	NO

2. Citations and explanations (Rule 70.7)

The present invention relates to a novel genomic RNA of Japanese encephalitis virus (JEV) and infectious JEV cDNA therefrom. The present invention also relates to a vector including the JEV cDNA for the full-length JEV genomic RNA containing elements originated from the JEV genomic RNA or JEV cDNA and a JEV vaccine containing the same.

The following documents have been considered for te purpose of the report:

D1: Genbank Accession No.U14163 (13 Octobet 1994)

D2: 1999/63095 (9 December 1999)

D1 discloses JEV mRNA which has about 98% homology to the genomic RNA sequence of the present invention. D2 discloses nucleic acid molecules containing transcription units encoding JEV and a vaccine containing the same.

The subject-matter of Claims 1, 4-11, 13, 14 and 18-28 relates to a genomic RNA of JEV, and infectious JEV cDNA therefrom, a vector including the JEV cDNA and a vaccine containing the same. From D1 and D2, it would be obvious to a skilled person in the art to identify a new JEV genomic RNA by performing PCR using the primers based on the known JEV sequence and prepare JEV vaccines containing the said JEV genomic RNA. Therefore, the subject-matter of Claims 1, 4-11, 13, 14 and 18-28 is not considered to invlove an inventive step (PCT Article 33(3)).

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